

# Drew Mahler

10500 SE 26th Avenue • Milwaukie, OR, 97222

(818) 309-3275 • [andrew.h.mahler@gmail.com](mailto:andrew.h.mahler@gmail.com) • <https://www.linkedin.com/in/andrew-mahler/>

---

## **SUMMARY**

Computer science graduate student with background in data analytics consulting searching for engineering-centric summer internship

## **EDUCATION**

**Portland State University**, Portland, OR

Master of Science in Computer Science

September 2021 - Present

**Boston University College of Engineering**, Boston, MA

Bachelor of Science in Biomedical Engineering, *summa cum laude*

May 2018

Dean's List (all semesters)

## **Relevant Coursework:**

Machine Learning, Operating Systems, Software Engineering, Control Systems, Differential Equations

## **SKILLS**

Fluent in Python, SQL. Proficient in C/C++, Excel, Bash. Familiar with R, ImageJ, MATLAB, LabVIEW.

## **PROJECTS**

**Improved Sampling with Distance-Dependent Scoring for Protein Docking** Fall 2017 – Spring 2018

- Designed a distance-dependent scoring function to improve a protein-protein docking algorithm
- Developed Bash scripts for automated analysis of large sets of protein complexes
- Tested potential for integration of protein docking program into the web server ClusPro

**The Effects of Caffeine on Muscle Activity**

Fall 2016

- Organized a study to determine effects of caffeine on Biceps Brachii, in collaboration with 3 students
- Created MATLAB code to process EMG data sets, implement RMS analysis and power spectral density analysis, and perform statistical tests

## **WORK EXPERIENCE**

**Kin + Carta Data Labs**

Portland, OR

Data Scientist

August 2020 – March 2021

Data Analyst

September 2018 – July 2020

- Designed, implemented, and maintained data pipelines using Spark, Airflow, and SQL
- Worked with cross-functional teams to introduce and integrate new data products into a Fortune 500 company's data ecosystem
- Built automated Tableau dashboards in service of the customer loyalty, product development, and marketing teams
- Developed Python library to efficiently analyze results of marketing campaigns targeting millions of customers via social media, websites, and TV

**Dennis Lab**

Boston, MA

Research Assistant

September 2015 – August 2017

- Built computational tools in Python to process and analyze fluorescent imaging data
- Established protocols for preparation and collection of fluorescent images with a multiphoton microscope

**Boston University Warren Towers Residence Hall**

Boston, MA

Resident Assistant

August 2016 – August 2018

- Counseled and advised first-year students on academic and personal questions and concerns
- Implemented and enforced all Boston University and Housing policies

## **ACTIVITIES & HONORS**

Alpha Eta Mu Beta (AEMB), Biomedical Engineering Honor Society, Member

Fall 2016 – Spring 2018

Tau Beta Pi (TBP), Engineering Honor Society, Corresponding Secretary

Fall 2016 – Spring 2018